

## **High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric**

### **Abstract**

5 The present invention provides instruments and methods for screening  
combinatorial libraries that addresses many of the problems encountered  
when using conventional instruments. For example, the disclosed  
instruments can measure mechanical properties of library members in rapid  
serial or parallel test format, and can perform tests on small amounts of  
10 material, which are easily prepared or dispensed using art-disclosed liquid or  
solid handling techniques. Compared to conventional instruments, the  
disclosed instruments afford faster sample loading and unloading, for  
example, through the use of disposable libraries of material samples.

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